

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S81	25277	particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 07:23
S82	6976	S81 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 07:23
S83	22	S82 and "508".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 07:24
S84	16	S83 and particle adj (size or diameter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 07:24
S85	0	(lubricant or grease) and thicken\$4 with calcium adj sulfonate and (bronze or copper or tin or zinc or silver or gold or aluminum) adj particles	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 08:20
S86	4	(lubricant or grease) and thicken\$4 with calcium adj sulfonate and (bronze or copper or tin or zinc or silver or gold or aluminum) with particles	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 08:20
S87	0	S86 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 08:20
S88	3	(lubricant or grease) and thicken\$4 with calcium adj sulfonate and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:21

S89	5	(lubricant or grease) and calcium adj sulfonate and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:22
S90	4218	(lubricant or grease) and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:29
S91	403	(lubricant or grease) and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:30
S92	253	S91 and @pd<"20040324"	EPO; JPO; DERWENT	OR	ON	2011/03/03 08:30
S93	159	S92 and particle adj (size or diameter)	EPO; JPO; DERWENT	OR	ON	2011/03/03 08:31
S94	127	S92 and particle adj (size or diameter) with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:32
S95	4	S94 and grease	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:32

S96	98	"Okamura, Yukio".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:38
S97	6	"Yasugi, Masahiko".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:38
S98	28	"Yoshinaka, Toshio".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:39
S99	118398	"Toyota Motor Corp".as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:39
S100	118504	S96 or S97 or S98 or S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:39
S101	1	S100 and sound with shock adj absorb\$4 with grease	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:40

S102	2	S100 and shock adj absorb\$4 with grease	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:40
S103	1010	S100 and shock adj absorb\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:41
S104	8	S100 and sound with shock adj absorb\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 08:41
S105	44	S100 and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:43
S106	1	S105 and grease	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:43
S107	1	S105 and lubricant	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 08:43
S108	22	grease and mixing adj consistency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/03 10:04
S109	4	S108 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:05

S110	8	S108 and @pd<"20040324"	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 10:09
S111	66	gear and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 10:21
S112	25	S111 and @pd<"20040324"	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 10:21
S113	1	S112 and grease	FPRS; EPO; JPO; DERWENT	OR	ON	2011/03/03 10:22
S114	707	gear and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:23
S115	331	S114 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:23
S116	15	S115 and grease	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:23
S117	612	508/591.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:34
S118	1	S117 and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:34

S119	0	S118 and grease	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:35
S120	1	S118 and thicken\$4	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:35
S121	212	508/590.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:36
S122	1	S121 and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 10:36
S123	709	grease and (bronze or copper or tin or zinc or silver or gold or aluminum) adj particles	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:12
S124	339	S123 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:15
S125	0	S124 and calcium adj sulfonate	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:15
S126	383	S123 and @pd<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:16
S127	57	S126 and thicken\$4	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:16
S128	1	S126 and thicken\$4 with sulfonate	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:16
S129	2	S126 and thicken\$4 with calcium adj soap	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 11:26
S133	2246	(508/156,180,390,464,465,551,588,585,591).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/06/15 08:58
S134	0	S133 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particule with diameter	USPAT	OR	OFF	2011/06/15 09:00
S135	0	S133 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particule with diameter	US-PGPUB; USPAT; USOCR	OR	OFF	2011/06/15 09:00

S136	0	S133 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particule with diameter	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:00
S137	0	S133 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particule	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:01
S138	26	S133 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particle	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:01
S139	6	S133 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particle with diameter	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:01
S140	17	S138 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:01
S141	5	S139 and @ad<"20040324"	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:05
S142	7	grease with mixing adj consistency	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:26
S143	3113	grease with consistency	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:28
S144	282	S133 and calcium adj sulfonate	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:29
S145	0	S144 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particle with diameter	US-PGPUB; USPAT; USOCR	OR	ON	2011/06/15 09:29

### EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

S130	2	508/590,591.ccls. and particle with ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/03 10:46
S131	3	508/590,591.ccls. and particle same ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/03 10:47
S132	0	508/390.ccls. and particle same ((polyolefin or poly adj olefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or urethane or thermosetting adj urethane) adj resin or fluororesin or thermoplastic adj elastomer adj olefin or thermoplastic adj elastomer adj urethane or thermoplastic adj elastomer adj polyester or thermoplastic adj elastomer adj polyamide or thermoplastic adj elastomer adj fluorine)	US-PGPUB; USPAT; UPAD	OR	ON	2011/03/03 11:10
S146	1697	(508/156,180,390,464,465,551,588,585,591).CCLS.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/06/15 09:35
S147	24	S146 and (polyolefin or polyamide or polyester or polyurethane or polyacetal or polyphenylene adj oxide or polyimide or fluororesin or urethane adj resin) with particle	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/15 09:35
S148	1	S147 and calcium adj sulfonate	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/15 09:35
S149	0	S147 and mixing adj consistency	US-PGPUB; USPAT; UPAD	OR	ON	2011/06/15 09:36

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